10/551656

FIG. 1

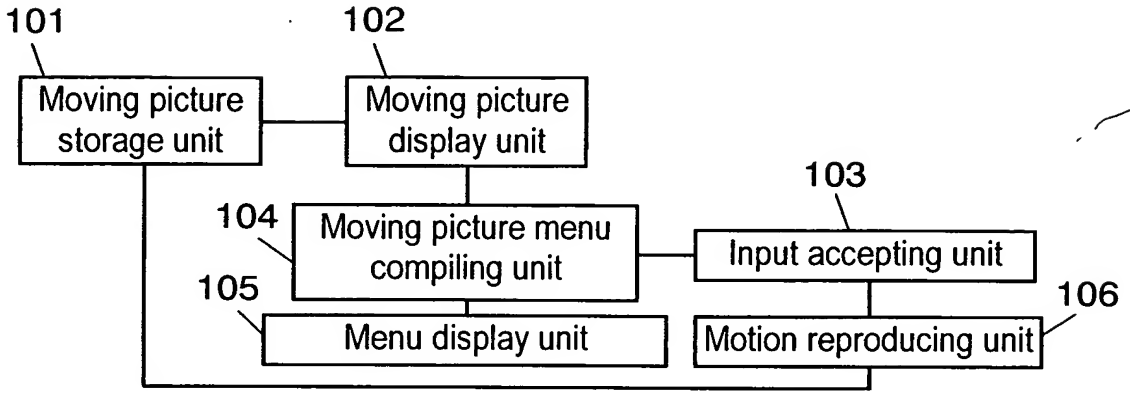


FIG. 2

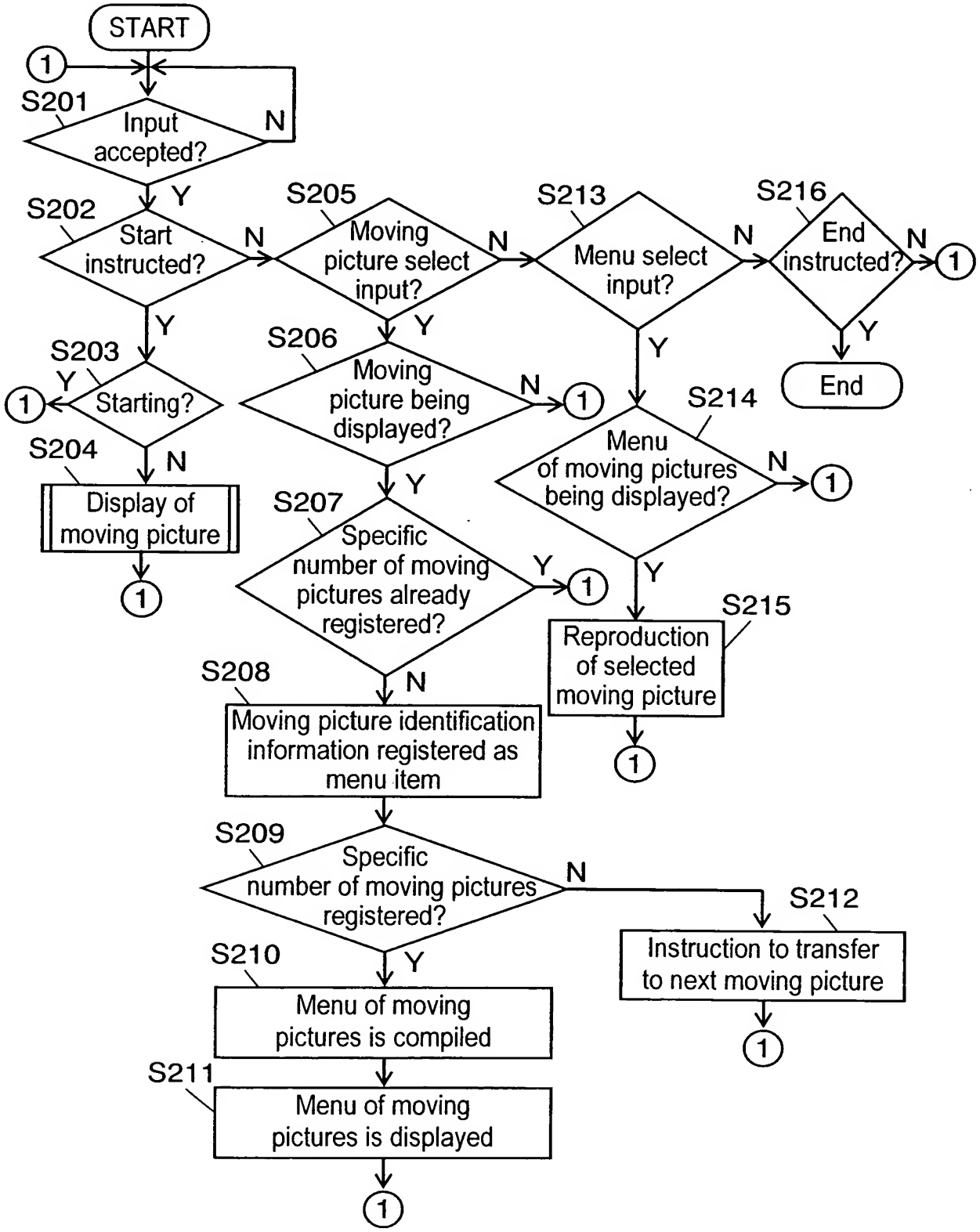

START
1
S201
Input accepted?
N
Y
S202
Start instructed?
N
Y
S203
Starting?
Y
1
N
S204
Display of moving picture
1
S205
Moving picture select input?
N
Y
S206
Moving picture being displayed?
N
1
Y
S207
Specific number of moving pictures already registered?
Y
1
N
S208
Moving picture identification information registered as menu item
S209
Specific number of moving pictures registered?
N
Y
S210
Menu of moving pictures is compiled
S211
Menu of moving pictures is displayed
1
S212
Instruction to transfer to next moving picture
1
S213
Menu select input?
N
Y
S214
Menu of moving pictures being displayed?
N
1
Y
S215
Reproduction of selected moving picture
1
S216
End instructed?
N
1
Y
End

FIG. 3

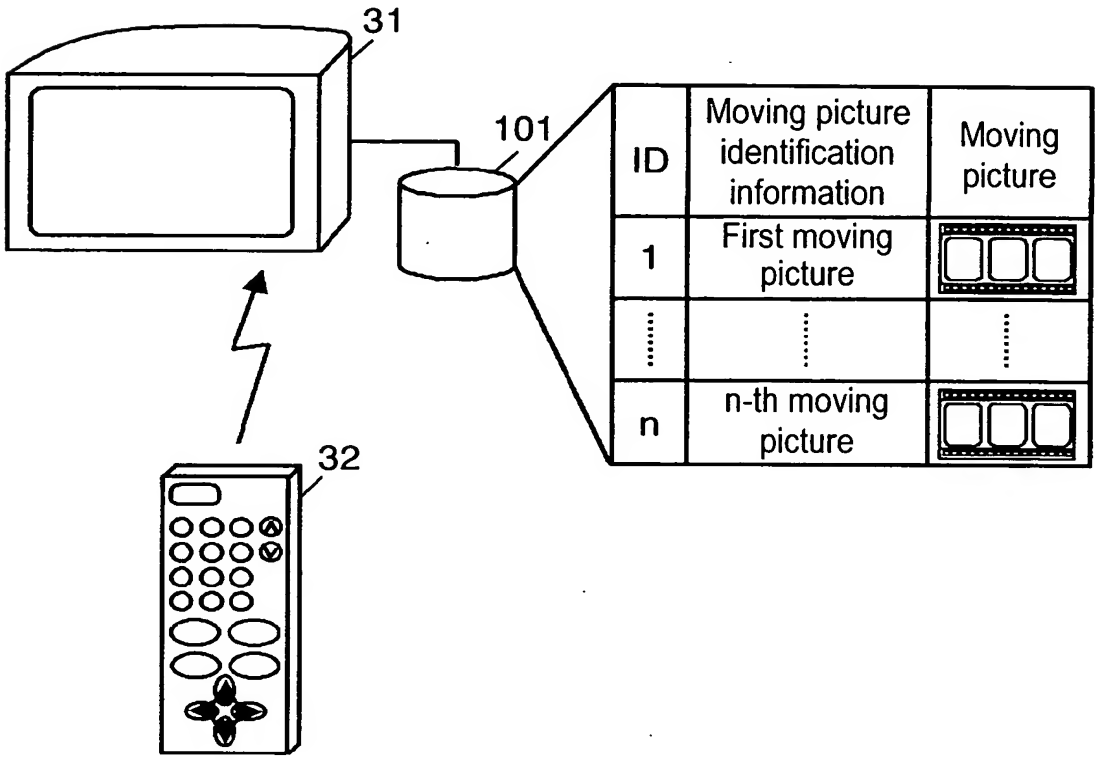

31
101
32
ID
Moving picture identification information
Moving picture
1
First moving picture
n
n-th moving picture

FIG. 4

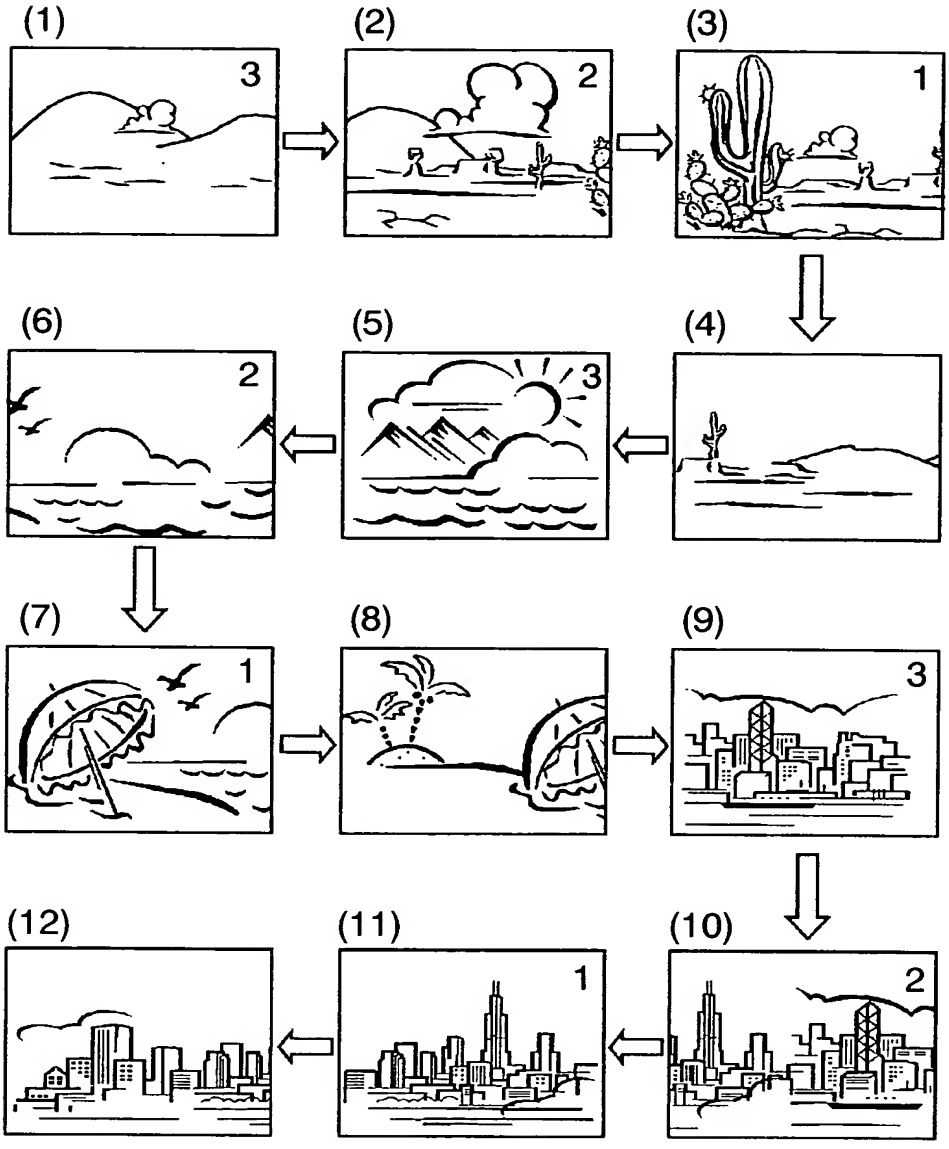


FIG. 5

ID	Moving picture identification information
1	Second moving picture
2	
3	
4	
5	

FIG. 6

ID	Moving picture identification information
1	Second moving picture
2	Fifth moving picture
3	Eighth moving picture
4	Tenth moving picture
5	Eleventh moving picture

FIG. 7

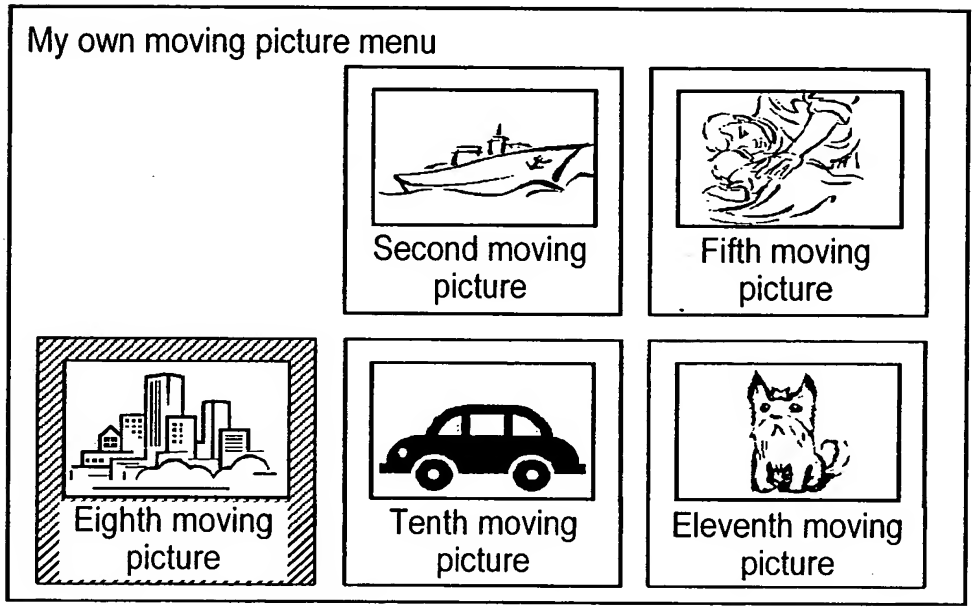


FIG. 8

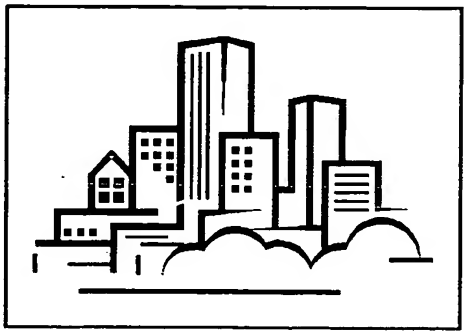


FIG. 9

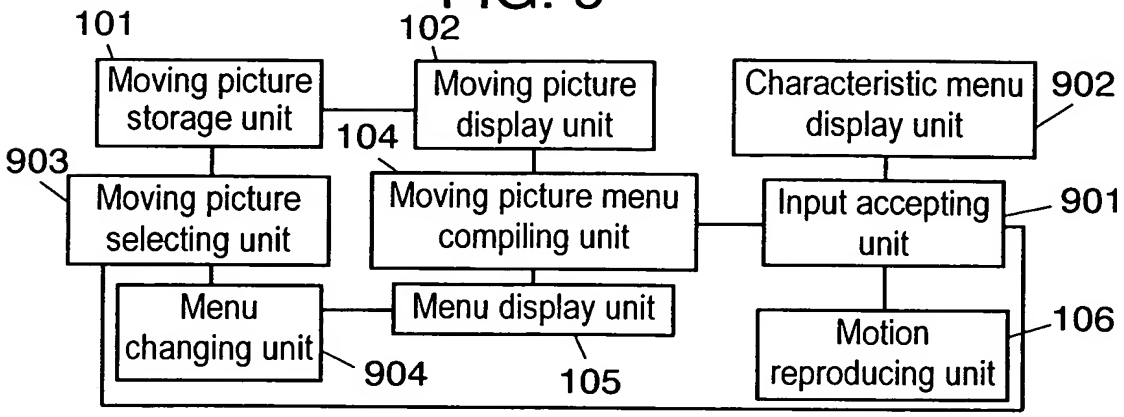

101
Moving picture storage unit
102
Moving picture display unit
Characteristic menu display unit
902
104
903
Moving picture selecting unit
Moving picture menu compiling unit
Input accepting unit
901
Menu changing unit
Menu display unit
106
Motion reproducing unit
904
105

FIG. 10

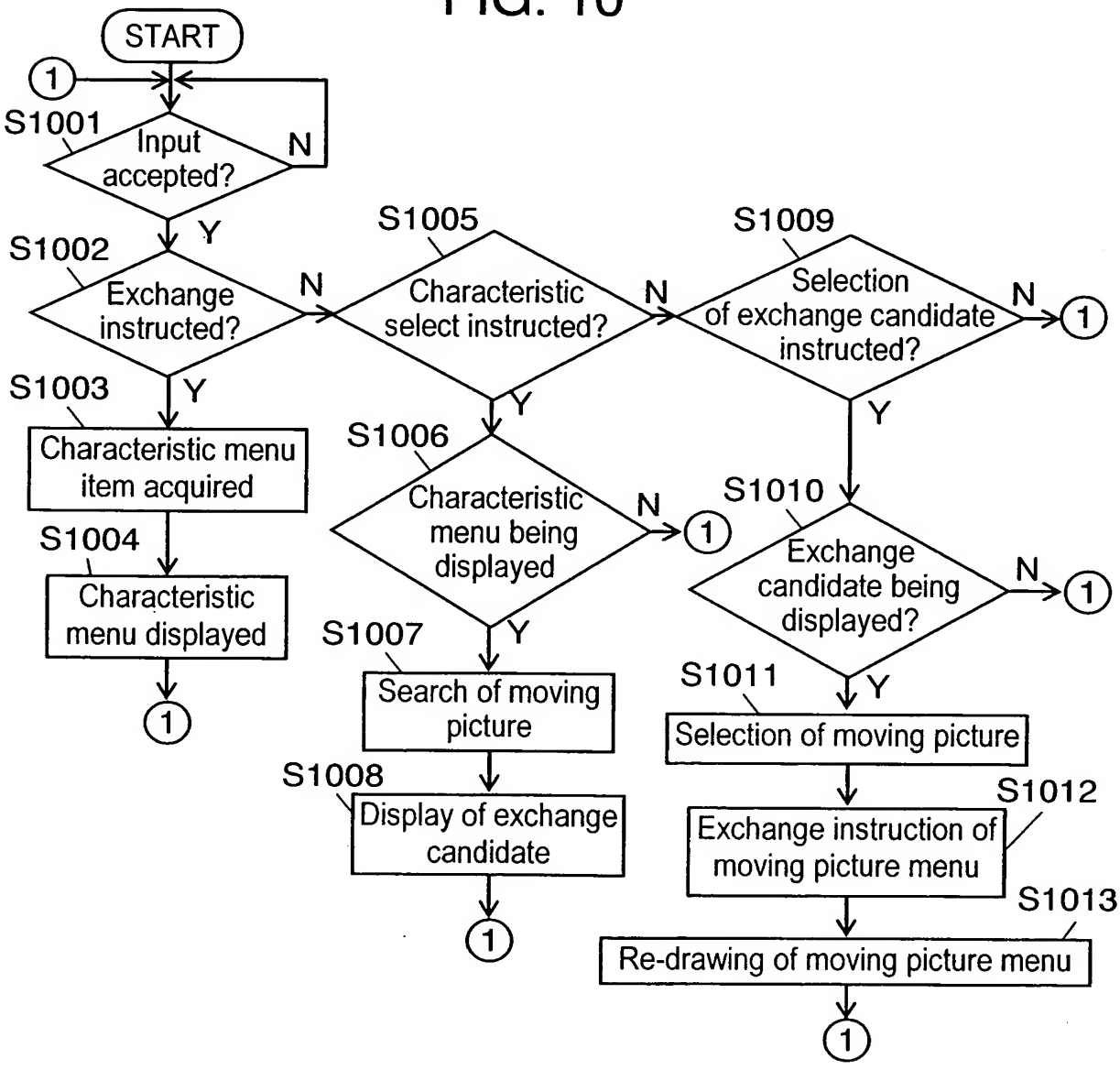

START
1
S1001
Input accepted?
N
Y
S1002
Exchange instructed?
N
S1005
Characteristic select instructed?
N
S1009
Selection of exchange candidate instructed?
N
1
Y
Y
Y
S1003
Characteristic menu item acquired
S1004
Characteristic menu displayed
1
S1006
Characteristic menu being displayed
N
1
S1010
Exchange candidate being displayed?
N
1
Y
Y
S1007
Search of moving picture
S1008
Display of exchange candidate
1
S1011
Selection of moving picture
S1012
Exchange instruction of moving picture menu
S1013
Re-drawing of moving picture menu
1

FIG. 11

ID	Moving picture identification information	Serious	Hard-boiled	Fairy tale	Home drama	
1	First moving picture	8	7	1	1	
2	Second moving picture	1	2	5	9	
3	Third moving picture	1	3	9	2	
:	:	:	:	:	:	:

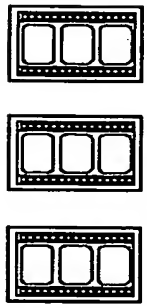


FIG. 12

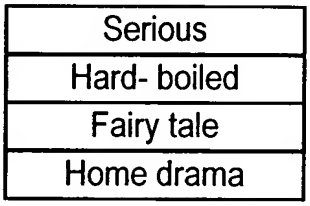


FIG. 13

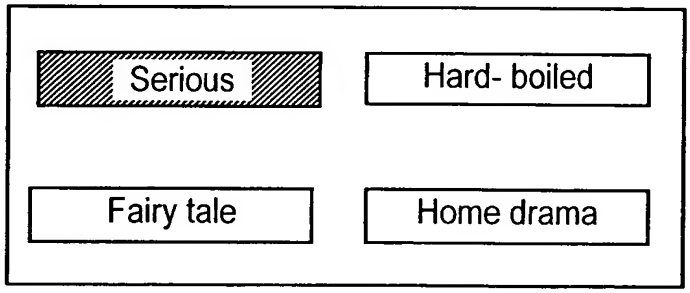


FIG. 14

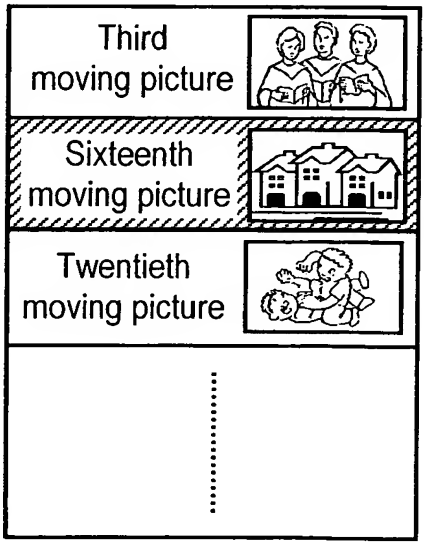


FIG. 15

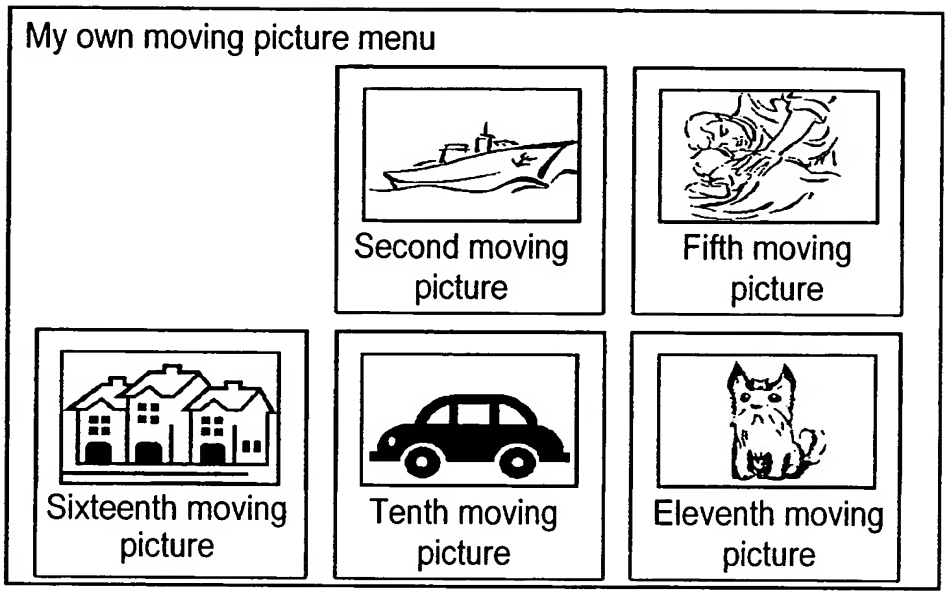

My own moving picture menu
Second moving picture
Fifth moving picture
Sixteenth moving picture
Tenth moving picture
Eleventh moving picture

FIG. 16

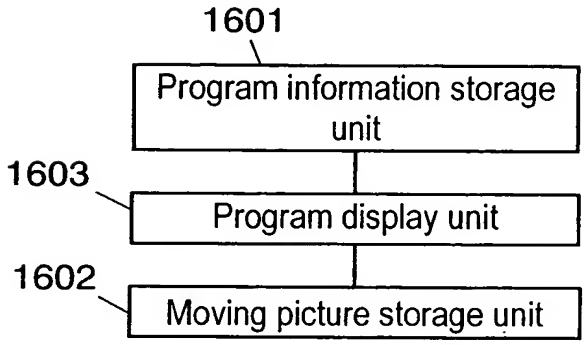

1601
Program information storage unit
1603
Program display unit
1602
Moving picture storage unit

FIG. 17

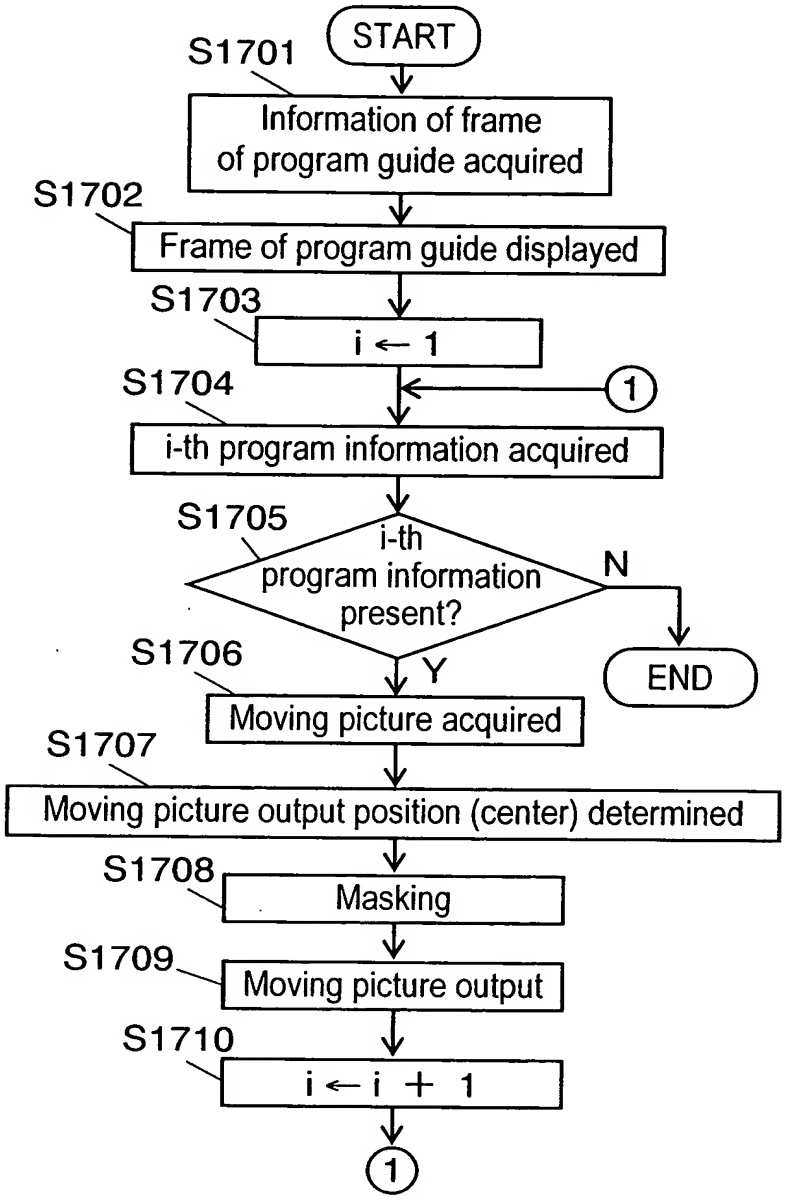


FIG. 18

ID	Program identifier	Output time	Channel
1	Program AA	17:00 to18:00	2
2	Program BB	18:00 to 18:15	2
3	Program CC	17:00 to 17:30	4
:	:		:

FIG. 19

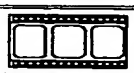
ID	Program identifier	Moving picture
1	Program AA	
2	Program CC	
:	:	:

FIG. 20

	16:00	17:00	18:00	
2				
4				
:	:	:	:	:

FIG. 21

	16:00	17:00	18:00	
2				
4				
:	:	:	:	:

FIG. 22

	16:00	17:00	18:00	
2				
4				
:	:	:	:	:

FIG. 23

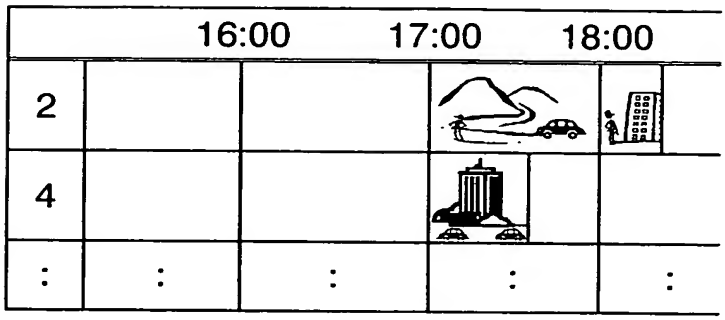

16:00
17:00
18:00
2
4
:
:
:
:
:

FIG. 24

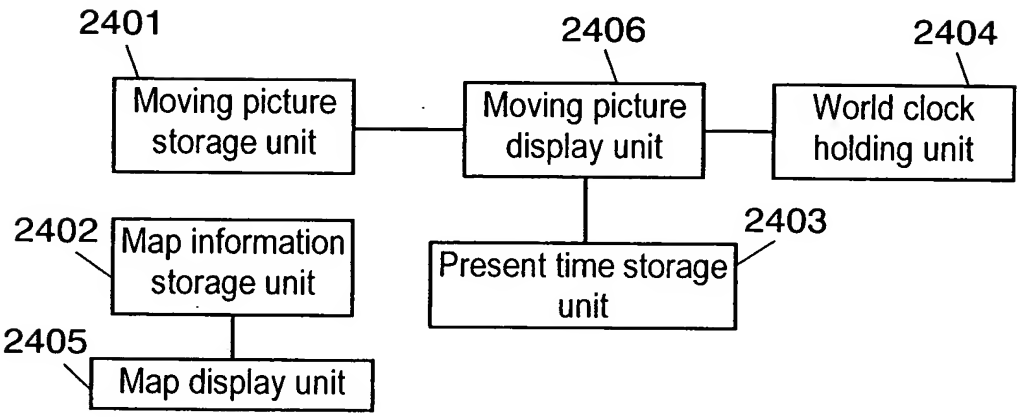

2401
Moving picture storage unit
2406
Moving picture display unit
2404
World clock holding unit
2402
Map information storage unit
2403
Present time storage unit
2405
Map display unit

FIG. 25

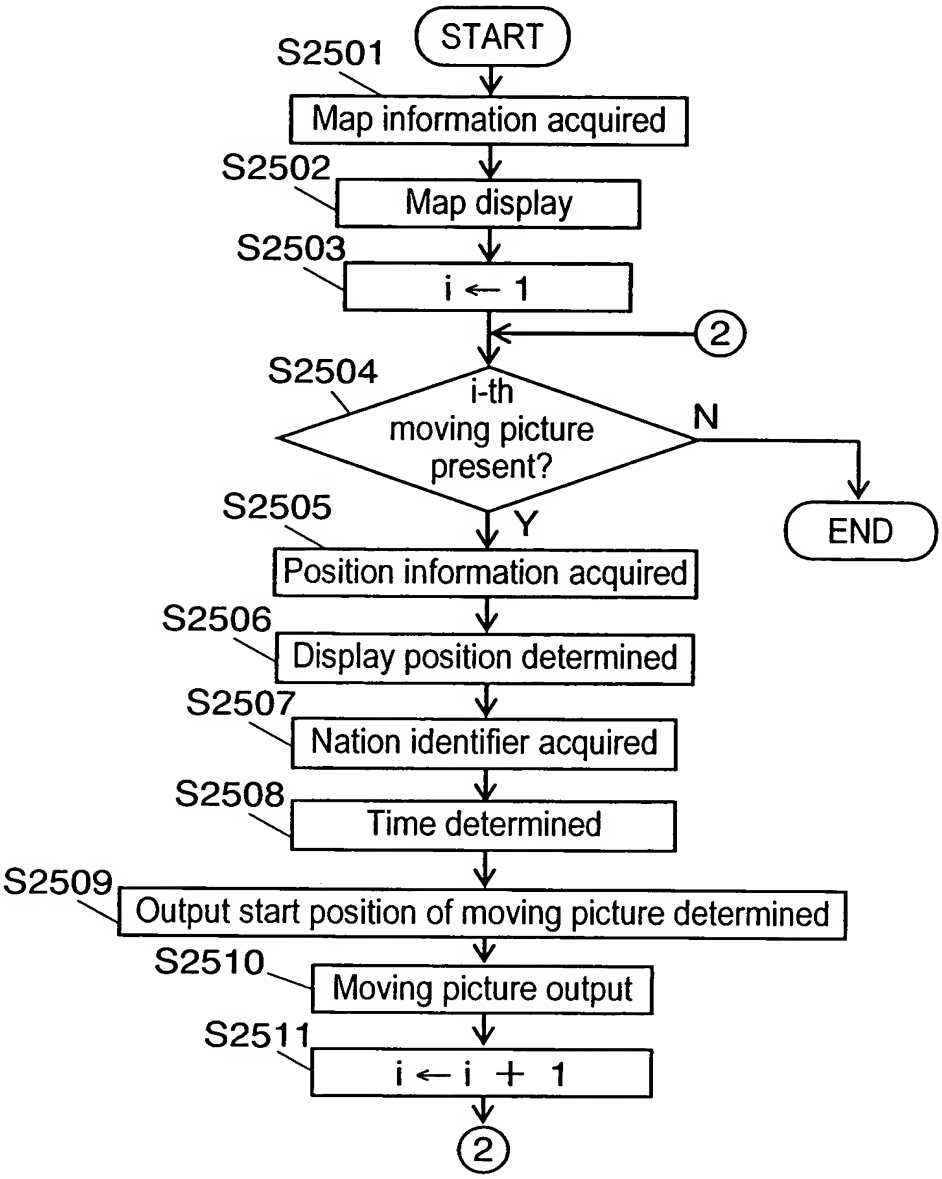


FIG. 26

ID	Moving picture identifier	Position information	Nation identifier	Moving picture
1	Sightseeing in Kyoto	(35,135)	Japan	
2	Sightseeing in America	(40,-74)	America	
3	Sightseeing in China	(40,116)	China	
:	:		:	

FIG. 27

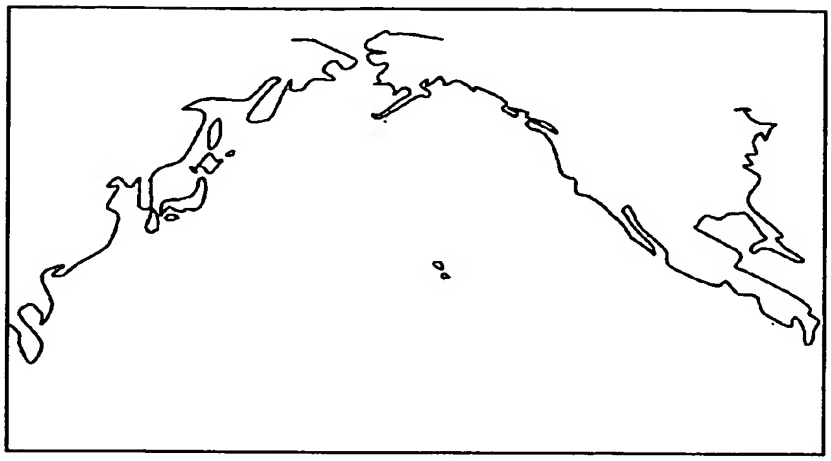


FIG. 28

ID	Nation identifier	Local time against Japan time
1	America	-17
2	China	-1
:	:	:

FIG. 29

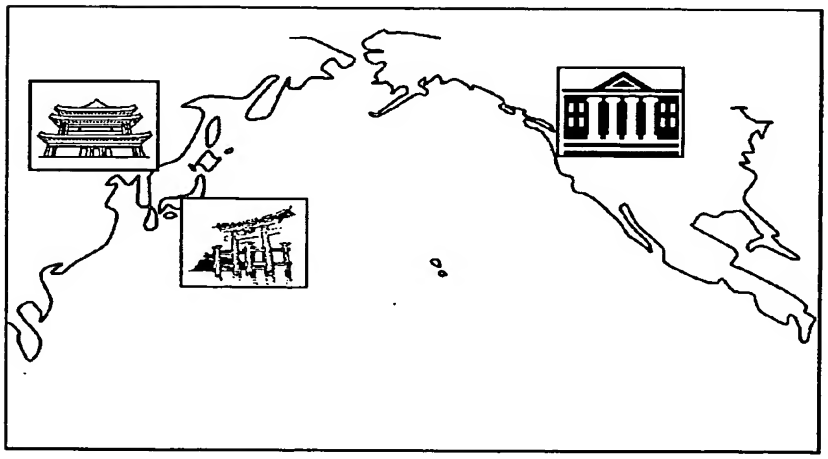


FIG. 30

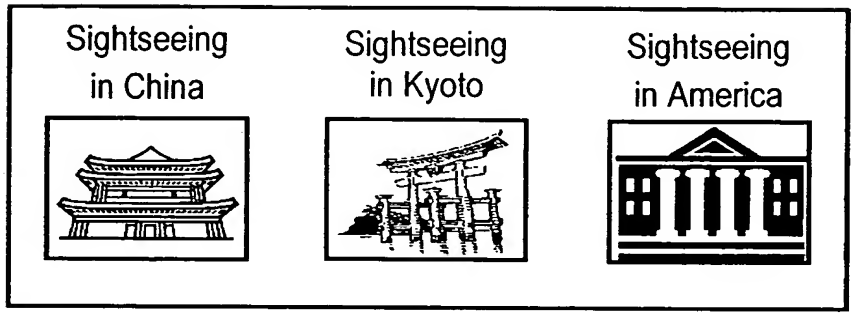

Sightseeing in China
Sightseeing in Kyoto
Sightseeing in America

FIG. 31

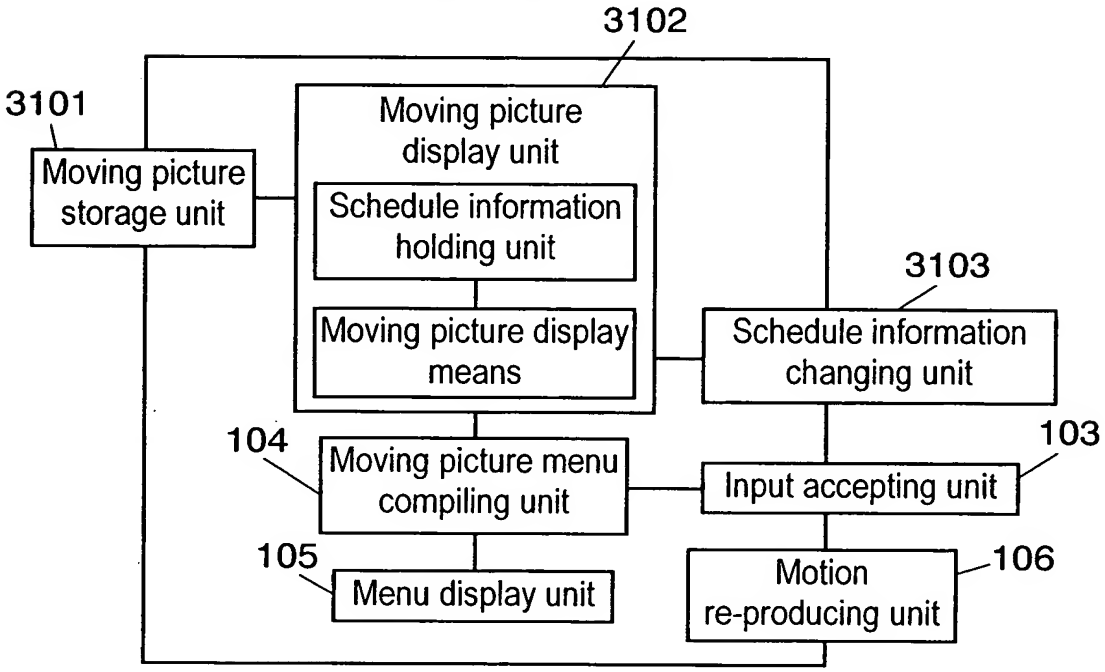

3102
3101
Moving picture display unit
Moving picture storage unit
Schedule information holding unit
Moving picture display means
3103
Schedule information changing unit
104
Moving picture menu compiling unit
103
Input accepting unit
105
Menu display unit
Motion re-producing unit
106

FIG. 32

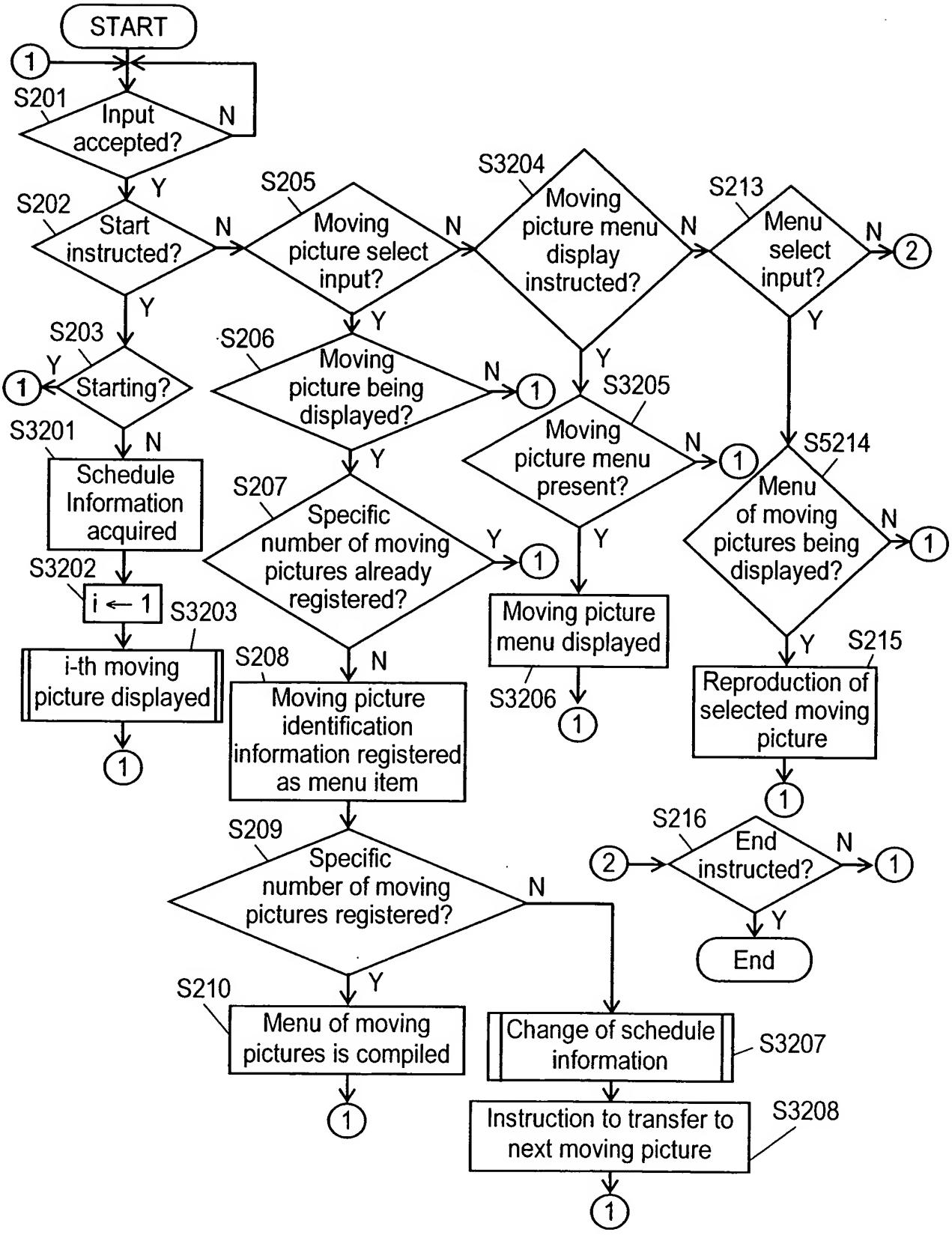

START
1
S201
Input accepted?
N
Y
S202
Start instructed?
N
Y
S205
Moving picture select input?
N
Y
S3204
Moving picture menu display instructed?
N
Y
S213
Menu select input?
N
2
Y
S203
Starting?
Y
1
N
S206
Moving picture being displayed?
N
1
Y
S3205
Moving picture menu present?
N
1
Y
S5214
Menu of moving pictures being displayed?
N
1
Y
S3201
Schedule Information acquired
S207
Specific number of moving pictures already registered?
Y
1
N
Moving picture menu displayed
S3206
1
S215
Reproduction of selected moving picture
1
S3202
i ← 1
S3203
i-th moving picture displayed
1
S208
Moving picture identification information registered as menu item
S216
2
End instructed?
N
1
Y
End
S209
Specific number of moving pictures registered?
N
Y
S210
Menu of moving pictures is compiled
1
Change of schedule information
S3207
Instruction to transfer to next moving picture
S3208
1

FIG. 33

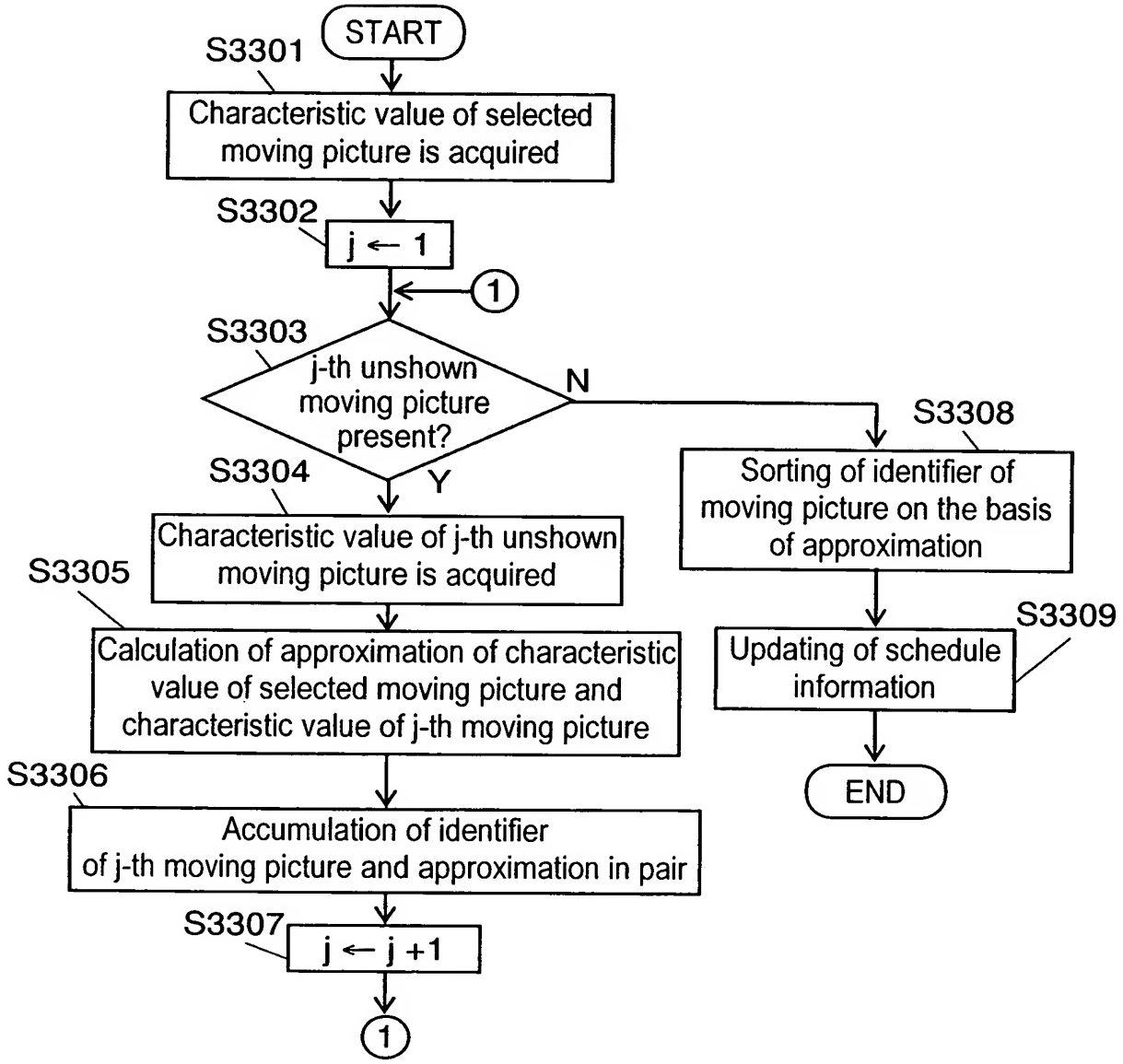


FIG. 34

ID	Moving picture identification information	Serious	Hard-boiled	Fairy tale	Home drama	Moving picture
1	Moving picture X	8	7	1	1	
2	Moving picture Y	1	1	2	9	
3	Moving picture Z	7	5	3	1	
:	:	:	:	:	:	:
n	Moving picture N	1	1	5	8	

FIG. 35

ID	Moving picture identification information
1	Moving picture X
2	Moving picture Y
:	:
N	Moving picture N

FIG. 36

Moving picture identification information	Approximation
Moving picture Z	19
:	:
Moving picture N	4

FIG. 37

ID	Moving picture identification information
1	Moving picture A
2	Moving picture N
:	:
N-3	Moving picture Z
N-2	Moving picture B

FIG. 38

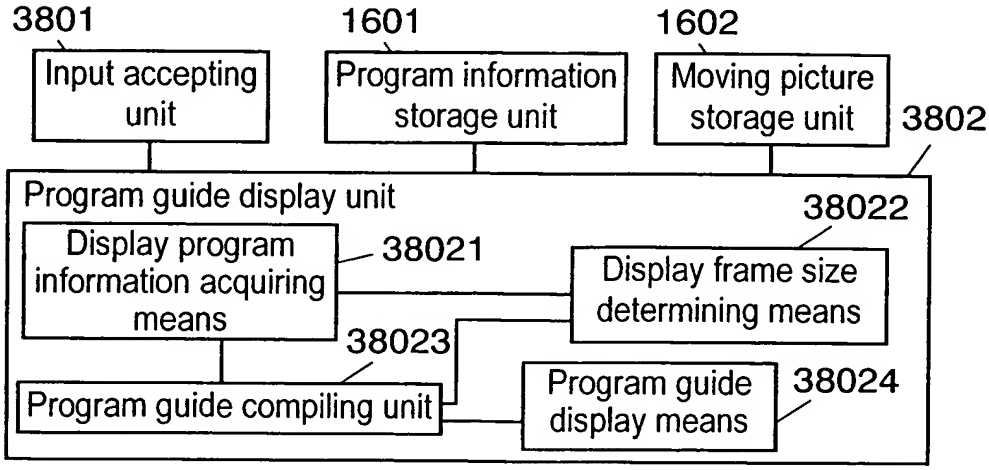


FIG. 39

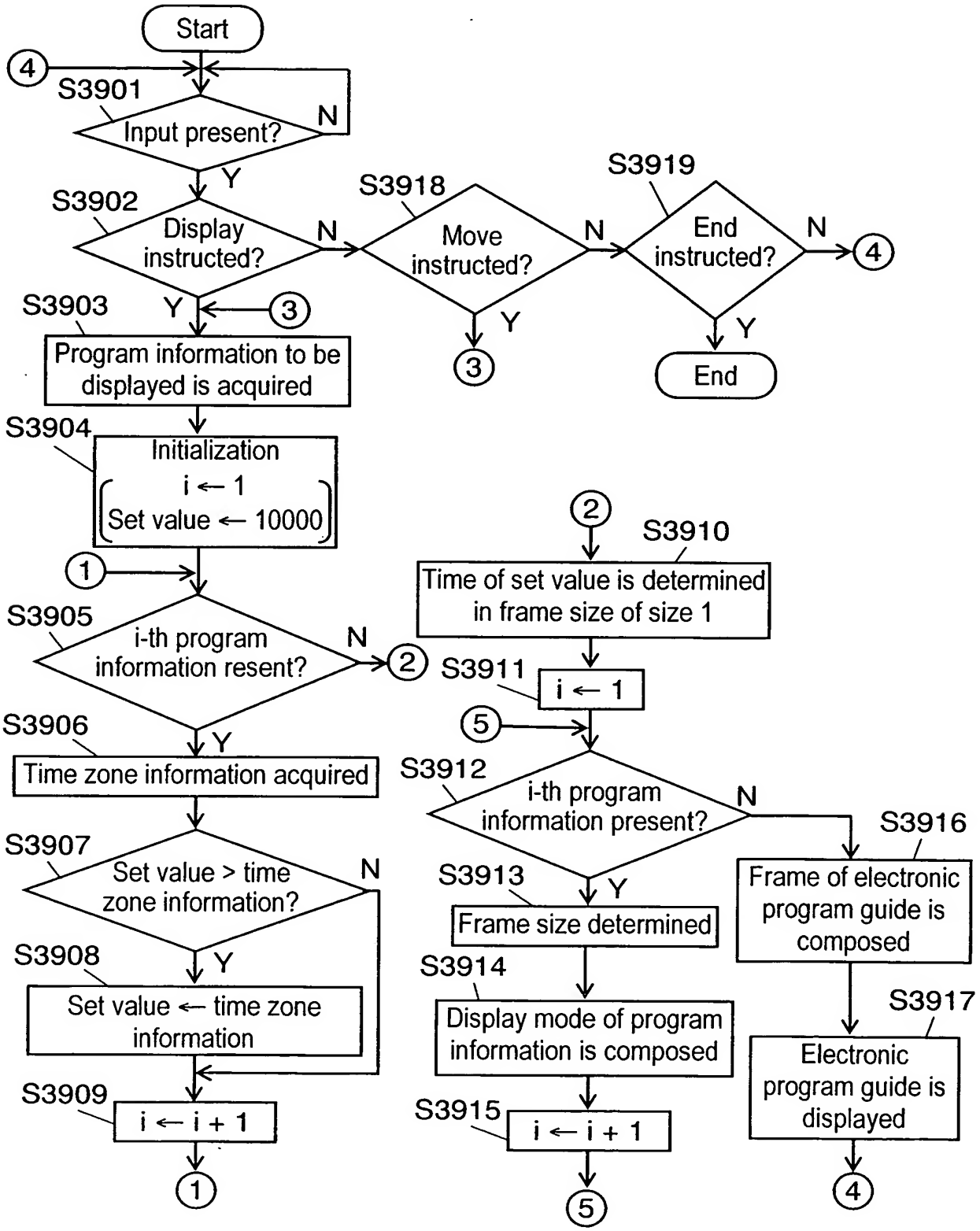

Start
S3901
Input present?
N
Y
S3902
Display instructed?
N
S3918
Move instructed?
N
S3919
End instructed?
N
4
Y
3
Y
End
S3903
Program information to be displayed is acquired
S3904
Initialization
i ← 1
Set value ← 10000
1
S3905
i-th program information resent?
N
2
Y
S3906
Time zone information acquired
S3907
Set value > time zone information?
N
Y
S3908
Set value ← time zone information
S3909
i ← i + 1
1
2
S3910
Time of set value is determined in frame size of size 1
S3911
i ← 1
5
S3912
i-th program information present?
N
Y
S3913
Frame size determined
S3914
Display mode of program information is composed
S3915
i ← i + 1
5
S3916
Frame of electronic program guide is composed
S3917
Electronic program guide is displayed
4

FIG. 40

ID	Program identifier	Output time	Channel
31	Program 15	10:00 to 11:00	8
38	Program 16	11:00 to 11:15	8
40	Program 17	11:15 to 12:00	8
48	Program 18	12:00 to 13:00	8
52	Program 25	10:00 to 10:30	10
55	Program 26	10:30 to 11:30	10
:	:	:	:

FIG. 41

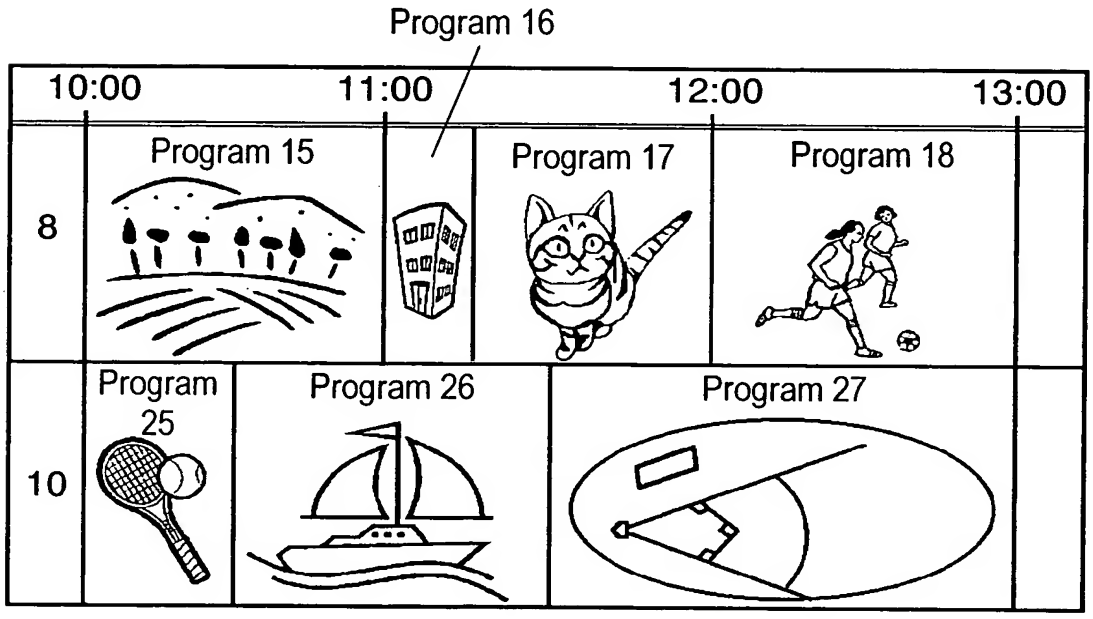


FIG. 42

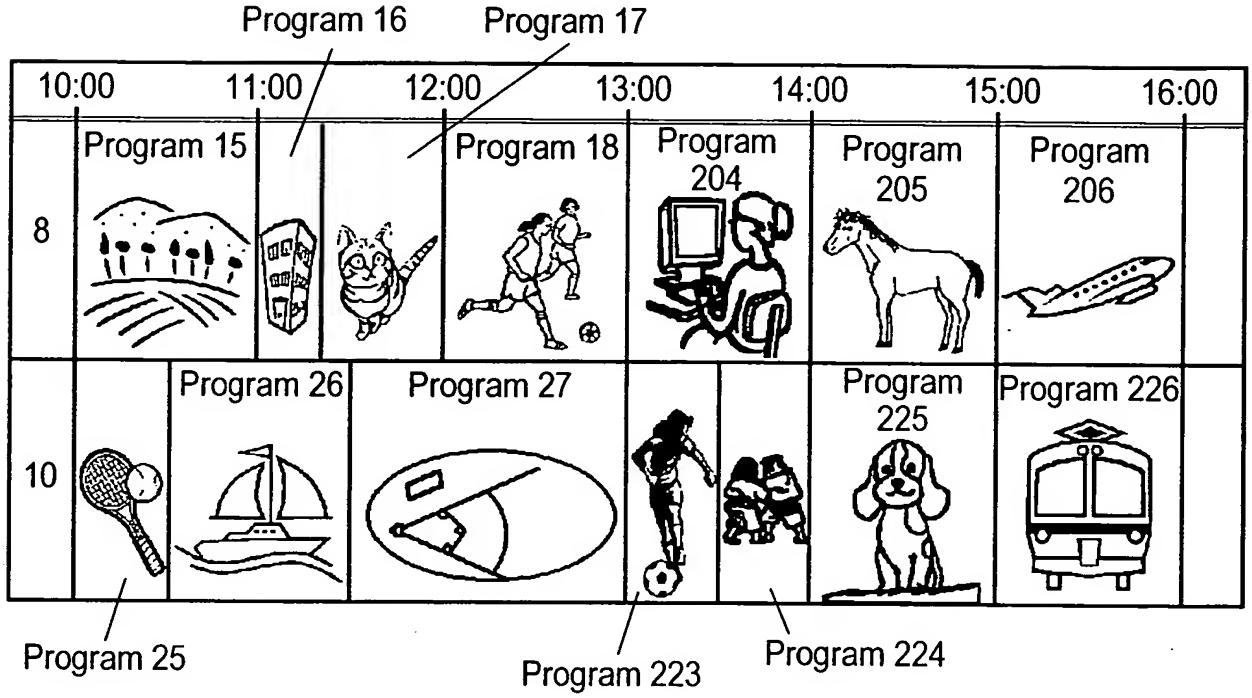

Program 16
Program 17
10:00
11:00
12:00
13:00
14:00
15:00
16:00
8
Program 15
Program 18
Program 204
Program 205
Program 206
10
Program 26
Program 27
Program 225
Program 226
Program 25
Program 223
Program 224

FIG. 43

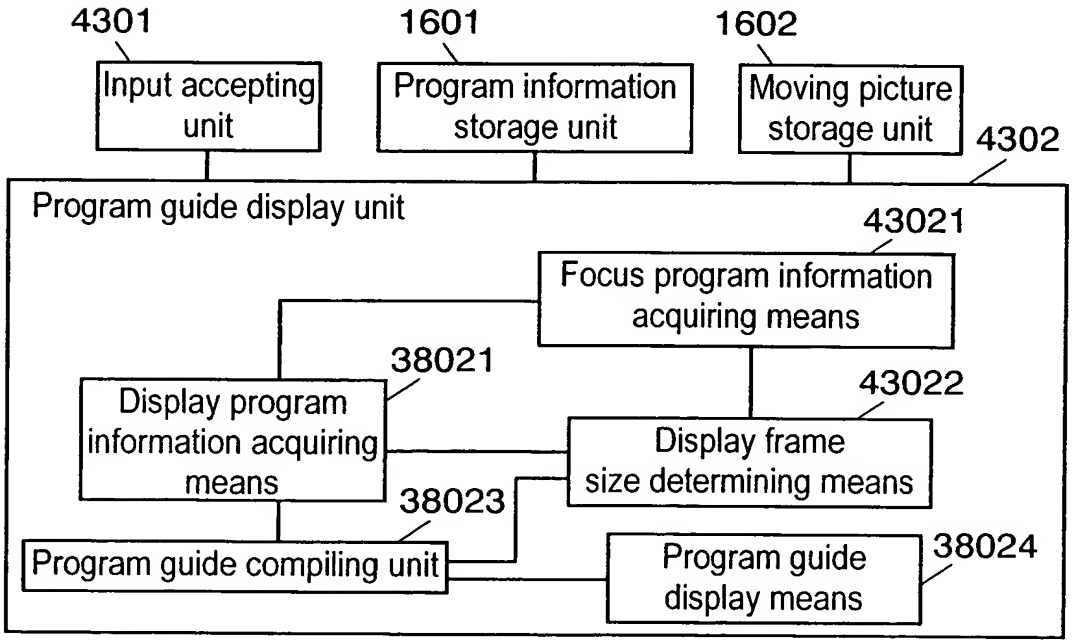

4301
Input accepting unit
1601
Program information storage unit
1602
Moving picture storage unit
4302
Program guide display unit
43021
Focus program information acquiring means
38021
Display program information acquiring means
43022
Display frame size determining means
38023
Program guide compiling unit
Program guide display means
38024

FIG. 44

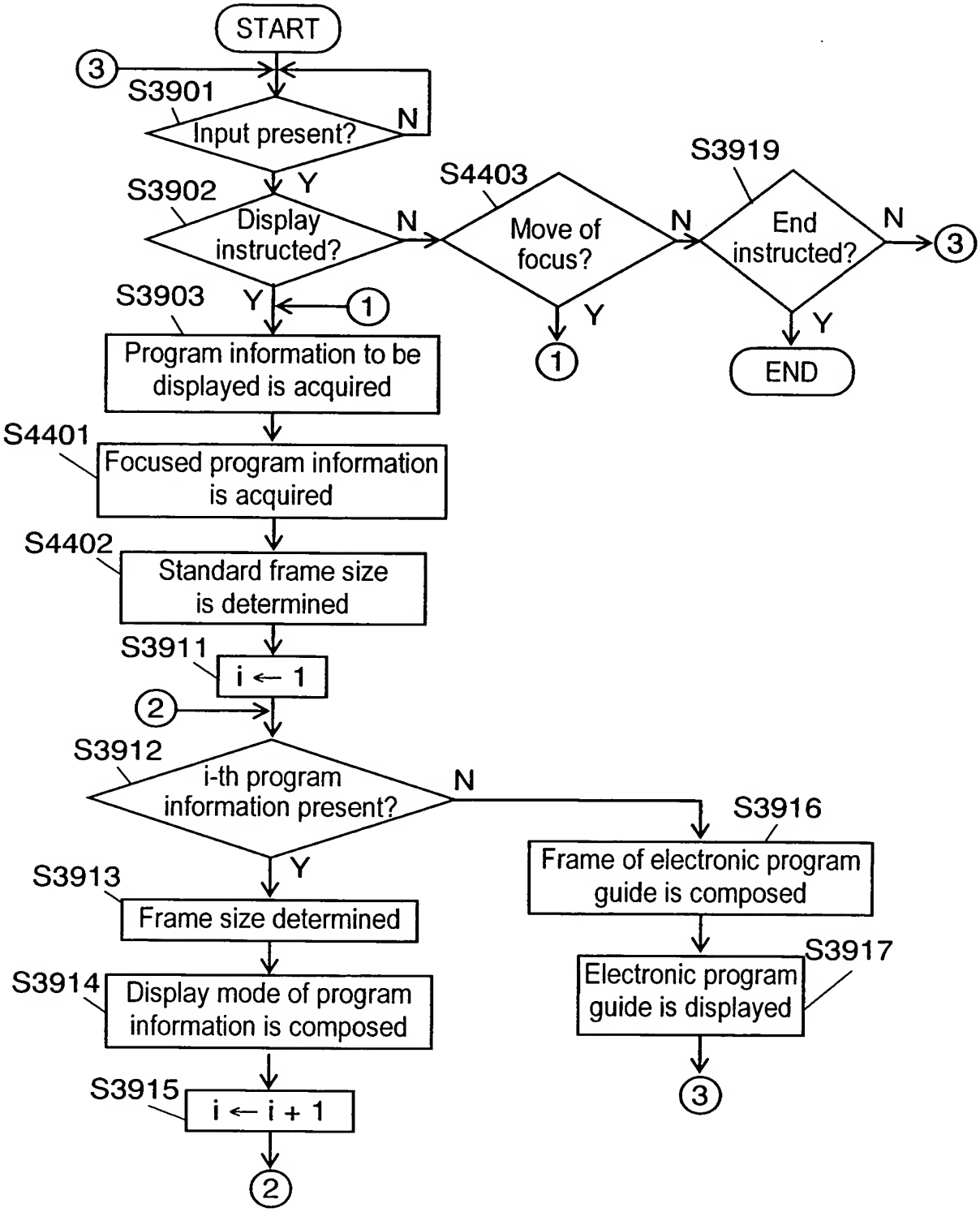

START
3
S3901
Input present?
N
Y
S3902
Display instructed?
N
S4403
Move of focus?
N
S3919
End instructed?
N
3
Y
Y
Y
S3903
1
Program information to be displayed is acquired
1
END
S4401
Focused program information is acquired
S4402
Standard frame size is determined
S3911
i ← 1
2
S3912
i-th program information present?
N
Y
S3916
Frame of electronic program guide is composed
S3913
Frame size determined
S3917
Electronic program guide is displayed
S3914
Display mode of program information is composed
3
S3915
i ← i + 1
2

FIG. 45

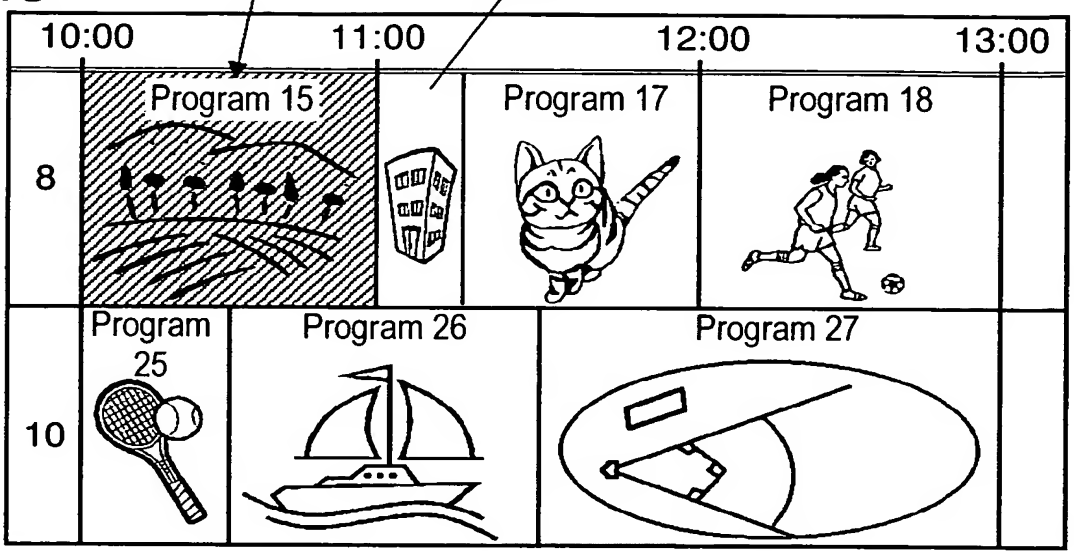


FIG. 46

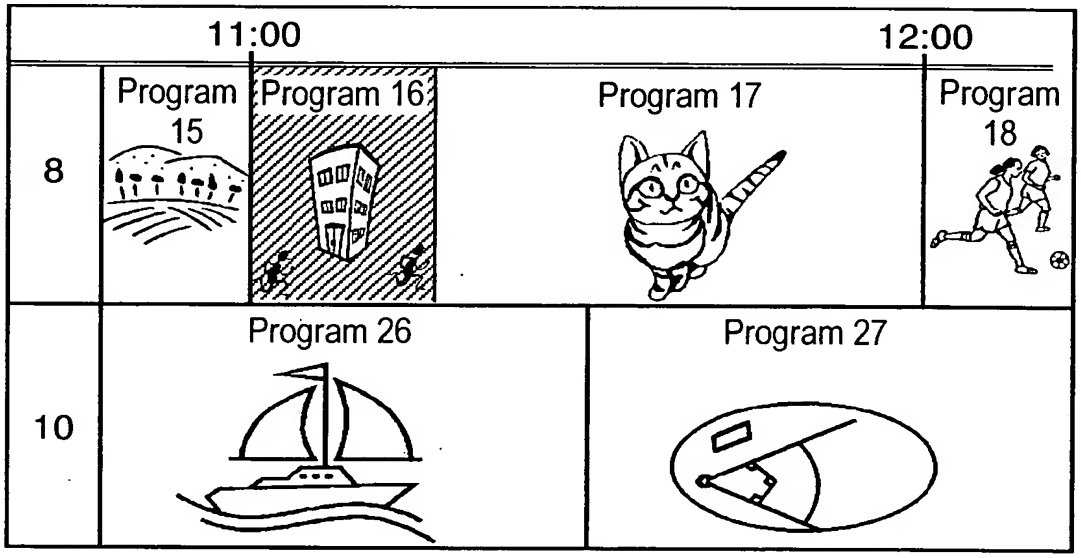


FIG. 47

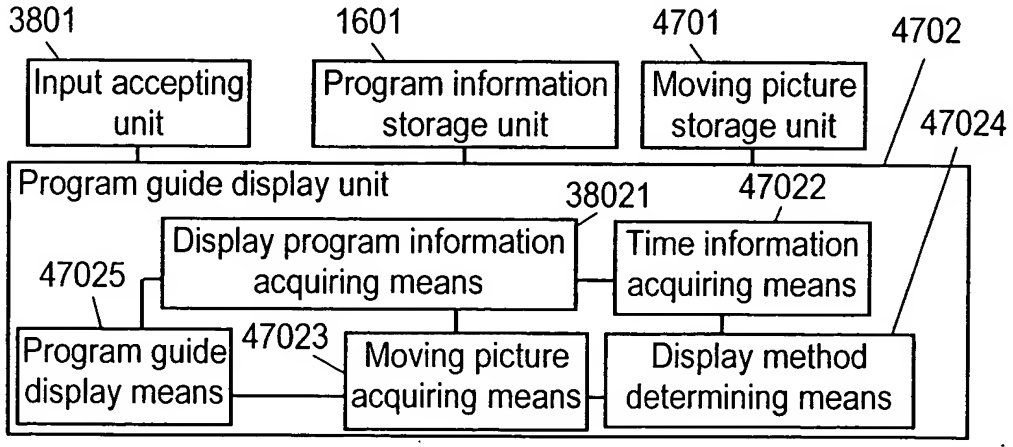


FIG. 48

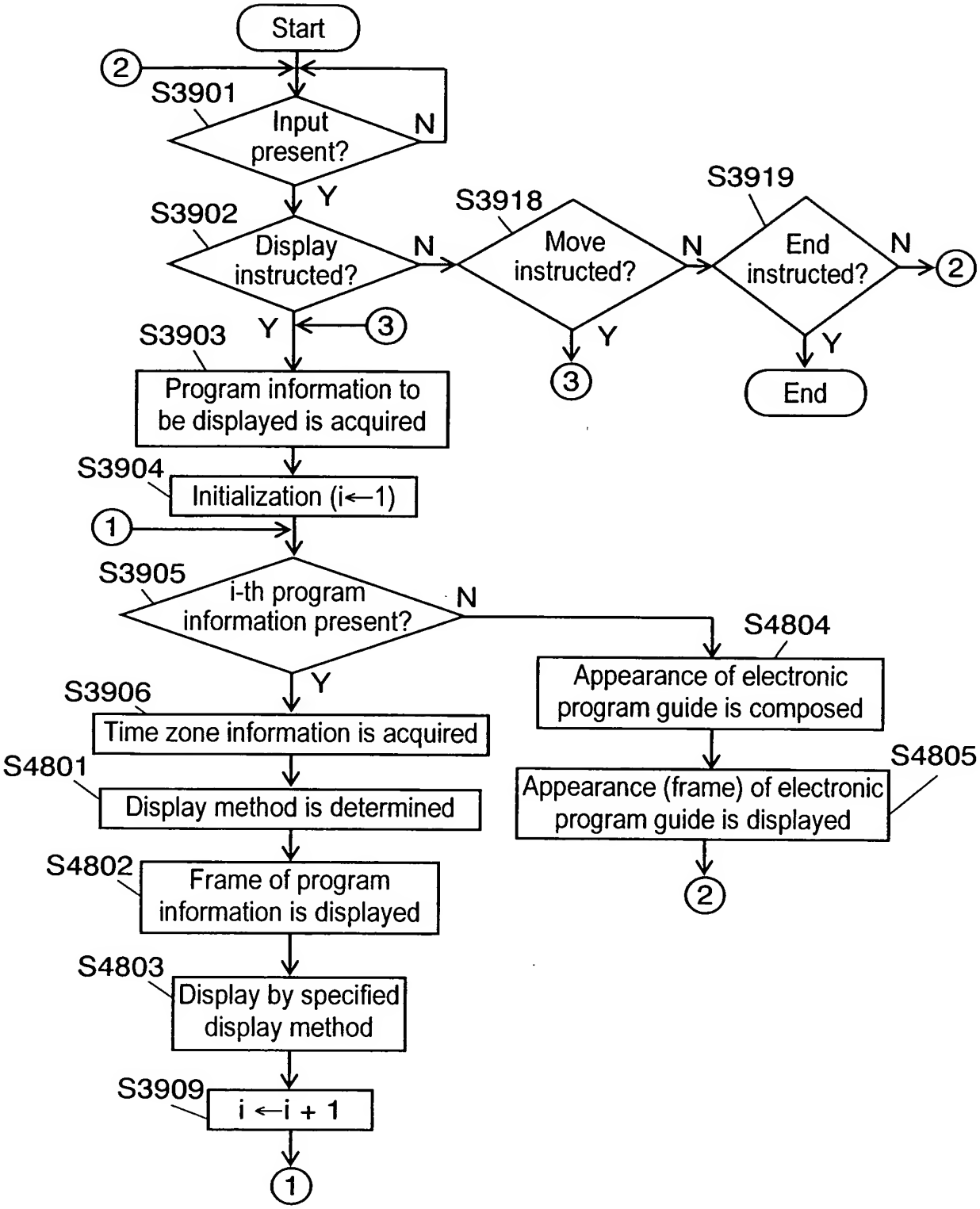
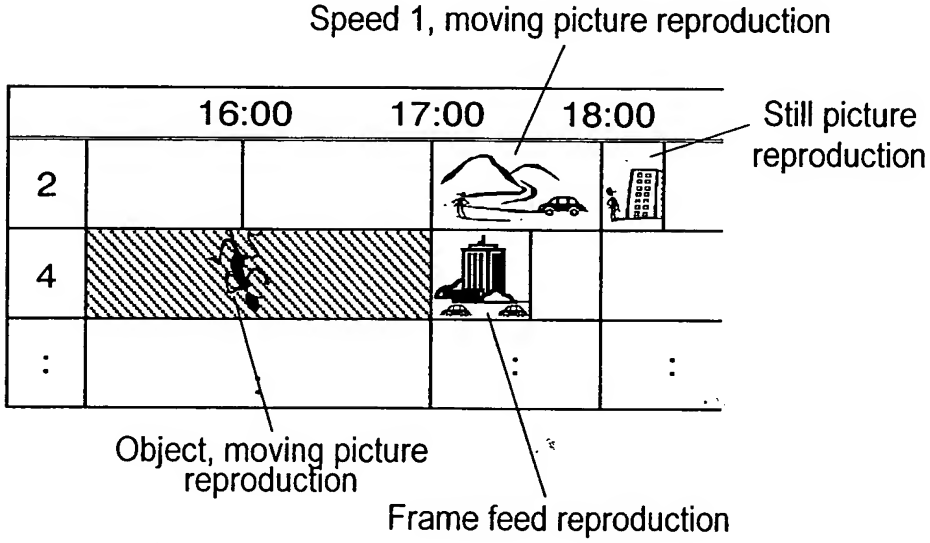

Start
2
S3901
Input present?
N
Y
S3902
Display instructed?
N
S3918
Move instructed?
N
S3919
End instructed?
N
2
Y
3
Y
3
Y
End
S3903
Program information to be displayed is acquired
S3904
Initialization (i←1)
1
S3905
i-th program information present?
N
S4804
Appearance of electronic program guide is composed
Y
S3906
Time zone information is acquired
S4801
Display method is determined
S4805
Appearance (frame) of electronic program guide is displayed
2
S4802
Frame of program information is displayed
S4803
Display by specified display method
S3909
i ←i + 1
1

FIG. 49

ID	Time zone information	Display method
1	up to 10 minutes	Object, still picture display
2	11 to 15 minutes	Still picture display
3	16 to 30 minutes	Frame feed reproduction
4	31 to 60 minutes	Speed 1, moving picture reproduction
5	61 to 120 minutes	Object, moving picture reproduction
6	121 minutes and over	Moving picture standard reproduction

FIG. 50



Reference numerals in the drawings

101, 1602, 2401, 3101, 4701 Moving picture storage unit
102, 2406, 3102 Moving picture display unit
103, 901, 3801, 4301 Input accepting unit
104 Moving picture menu compiling unit
105 Menu display unit
106 Motion reproducing unit
902 Characteristic menu display unit
903 Moving picture selecting unit
904 Menu changing unit
1601 Program information storage unit
1603, 3802, 4302, 4702 Program guide display unit
2402 Map information storage unit
2403 Present time acquiring unit
2404 World clock holding unit
2405 Map display unit
3107 Schedule information changing unit
31021 Schedule information holding means
31022 Moving picture display means
38021 Display program information acquiring means
38022, 43022 Display frame size determining means
38023 Program guide compiling means
38024, 47025 Program guide display means
43021 Focus program information acquiring means
47022 Time zone information acquiring means
47023 Moving picture acquiring means
47024 Display method determining means